

WITHIN OUR BORDERS

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Staffs Arrange Holiday Programs

There's the feeling of Christmas in the air at the Alberta health institutions, and everyone's getting ready for the holidays. Everyone, that is to say, except the staff. They are on duty, with the special mission of seeing that all the patients have a fully enjoyable and happy Christmas.

Patients who will enjoy this hospitality number in round figures about 4,000, although as many as may be able to do so will be allowed to go home on Christmas leave. The largest single institution is the tuberculosis sanatorium at Keith, near Calgary, where there are more than 150 patients. At the Oliver and Ponoka hospitals there are approximately 1,500 and 1,400 patients respectively, at Claresholm 100 and Raymond 150. In addition there are 900 young pupils in the Red Deer school and 187 old people in "Rosehaven", the Camrose home.

Save that at Ponoka and Oliver dances also have been arranged for the patients, the festivities will follow the traditional Christmas pattern at the institutes. There will be turkey dinners with all the trimmings, concerts, plays and movies provided by local groups. There will be brightly lighted Christmas trees and bundles of glittering parcels to be unwrapped. There will be no forgotten men or women since even the loneliest orphan, without a friend anywhere, will have the Government of Alberta as fairy godmother.

And, of course, Santa Claus will bring merry laugh and the jingling bells will be abroad that night, and every institution will enjoy an all-day invasion of friends and relatives and old comrades of former fighting men. All the rules about visiting hours are going to be tossed out until after the holiday.

Anglican and Roman Catholic pastors will celebrate the rites of the church, according to traditions venerated by the centuries. Local choirs will visit the homes, bringing the Xmas spirit by means of music.

The staffs at Provincial institutions have had years of experience in making Christmas happy for their patients and no one or anything is overlooked ***

Compliments of Season Extended To Readers

On the approach of the Yuletide season, I would like to take this opportunity presented me in "Within Our Borders" to extend to each and every reader heartiest Christmas and New Year greetings on behalf of the Government of Alberta.

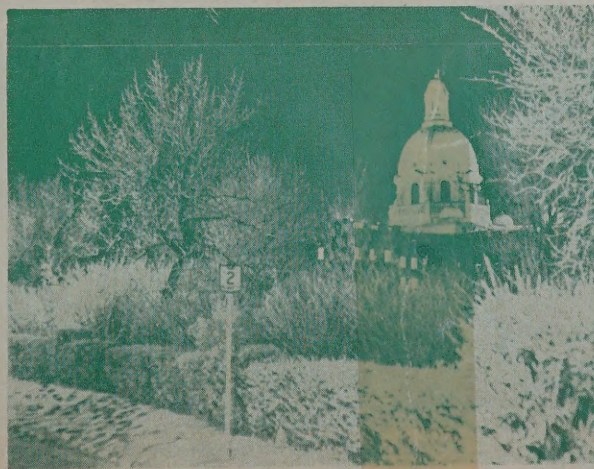
This is not a time when all the world is settled and at peace and so the traditional Christmas message of "Peace on Earth, Goodwill toward Men" should touch a deep responsive chord in all mankind. The troubled days we have seen each week and each month during the past year should convince one and all of the crying need of a far greater, truer sense of Christianity. Peace on earth, goodwill toward men will only come to all the corners of this world of ours when all men realize the heights of such a goal can be attained only when all join in common supplication to the Child of Bethlehem whose birth we commemorate at this season. It is our individual opportunity at this time to make sure there is goodwill one to another in our homes and our communities for without this in these places, nations will never gain the reward of lasting peace.

With this thought uppermost in our minds, let us all join one with another in tribute to Him who has made all things possible. Let us pray for peace in our hearts and through the world.

May each and all of you have a joyous Christmas.

May the New Year hold the promise of that which all of us seek.

ERNEST C. MANNING,
Premier.



Some Civil Servants

* Work Christmas Day *

For some civil servants in Alberta Christmas Day is going to be just another day of work.

While the great majority of their fellow civil servants are enjoying the holiday festivities, the "other half" of the service, the caretakers, janitors, watchmen and operators, who take over when the day staffs leave, will follow normal schedules. Working regular eight-hour shifts they will clean offices and corridors, tend heating plants and in general prepare the buildings in the usual manner for the day workers who return on December 28.

Staffs of the various institutes, sanatoriums and old persons' homes in the Province, the attendants, nurses, orderlies and cooks who care for those unable to care for themselves, also will observe regular work routines.

These people, however, will have the added responsibility of making Christmas a big day for the patients in their care. They will supervise the special dinners and arrange and conduct the shows and concerts which will be staged at all Provincial establishments. In most instances they will also be responsible for distribution of the many parcels sent by relatives, friends and well-wishers to those persons who must spend the festive season apart from them.

There are others, too numerous to mention, who will work while friends holiday. Other than the knowledge that they served others they will have little consolation save that having worked Christmas Day they will not have to turn out on New Year's. That will be their day to sit back and let others keep the wheels rolling. ***



"Within Our Borders" is a publication designed to acquaint the people of the Province with the administration and services of the Alberta Government.

It is believed the many and varied services of the Government will be effective in the degree they are known and used. Any material used is for immediate republication.

Correspondence concerning the publication should be addressed to the Deputy Minister, Department of Economic Affairs, Legislative Buildings, Edmonton.



High on Calgary's North Hill stands the Provincial Institute of Technology and Art; one of Canada's finest vocational institutes.



Clean, modern and well-staffed the cafeteria is typical of facilities available to the staff and students.



Administration and matters concerning the student body are handled by E. W. Wood, shop director, and James Fowler, principal.

Technology and Art Institute Trains 1,500 Annually Practical Work and Theoretical Background Enable Graduates to Advance Rapidly

Back in 1916 when the newly-organized Provincial Institute of Technology and Art at Calgary opened for business only five persons were on hand to form the student body. The seven-member staff was more than a little non-plussed but taking things in their stride and working on the premise that most great things have small beginnings they commenced operation. Today the staff numbers 65, the enrolment is close to 1,700 and, if healthy growth through the years is any indication, the end is nowhere in sight.

As educational establishments go the Institute has packed a lot of history into its 30-odd years. In 1917 while still located in temporary quarters in East Calgary the school was taken over by the Soldiers' Civil Re-establishment Department of Canada and conducted as a training centre for returned soldiers. When this work was discontinued in 1920, and the Institute returned to Provincial jurisdiction, it was found that the service rendered had become so popular as to necessitate construction of additional accommodation.

To this end a new Institute was built during 1921-22 on the present 123-acre North Hill site, and classes commenced in the new quarters in the fall of the latter year. Later, in 1926-28, additional shop and amphitheatre space was provided.

The school did not escape the depression of the '30's scot-free but it remained open and by the outbreak of the Second Great War was operating at full capacity. In 1940 demands for additional training facilities were such that the buildings of the Institute were loaned to the Royal Canadian Air Force to form the nucleus of No. 2 Wireless School, a unit of the British Commonwealth Air Training Plan. In the meantime the Institute moved to quarters under the grandstand at the Exhibition Grounds. Conditions there were not conducive to best operation, and while much was accomplished both in the way of training servicemen and war workers, everyone was happy when in the spring of 1945 the R.C.A.F. vacated the regular buildings, allowing the Institute of Technology and Art to return shortly afterwards.

Five Buildings House Institute

Five buildings provide accommodation for the Institute at the present time. Chief of these are the main building and the workshop building.

The former, 340'x90' and three storeys high, consists of a twin-towered central block with wings extending east and west. Administration offices and the assembly hall are located on the main floor of the central block and staff rooms, a photographic darkroom and the gallery of the assembly hall occupy the second floor. The top floor is taken up by the library, gymnasium, showers and locker rooms. The Institute cafeteria and men's lounge room are situated in the basement.

Lecture rooms, classrooms and laboratories for the Institute are provided on the main floor of the east wing. The second floor of this wing is occupied entirely by classrooms for the women's subjects and houses the departments of household economics, dressmaking and millinery. The Art Department and mathematics classrooms occupy the third floor. In all, the Institute occupies 21 rooms in the main building exclusive of the library, gymnasium and assembly hall.

The west wing is used by the Calgary branch of the university's Faculty of Education.

A single-storey structure situated north of the main building houses the shops for the various technical subjects offered by the school. Construction of the shops was commenced in 1922, added to in 1926 and completed two years later when a 250-seat amphitheatre equipped with modern lecture and demonstration facilities was added.

The former drill hall of the wireless school now serves as headquarters for the Aeronautics Department and another former air force building houses the Building Construction and Drafting Department. Yet another building contains the establishment's power plant.

Like most technological schools the purpose of the Provincial Institute is to train young men and women to fill positions in the wide range between the artisan and professional fields. That this purpose is being fulfilled is proven by the fact that graduates of the school usually advance rapidly in their chosen trades to positions of a supervisory nature.

Institute Offers 40 Courses

Most of the 40-odd courses offered by the Institute are of two years' duration and call for eight months attendance in each year. Exceptions are the one-year wireless course lasting 10 months, the two-year agricultural mechanics course which requires only five months attendance each year, the three-year air engineering and automobile mechanics courses and the special welding courses which consist of three weeks of intense practical work.

To enable students to acquire the qualifications which will permit them to rise rapidly in their chosen vocations the courses are usually divided into practical and theoretical periods with 50 percent of the total course time being spent on each phase.

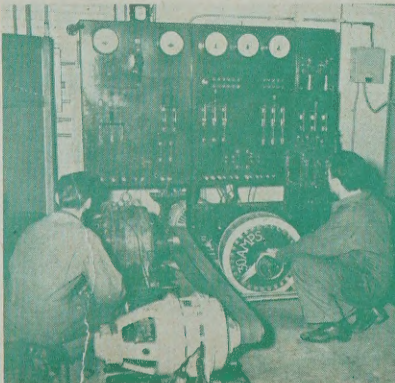
Through practical shopwork students learn the techniques of particular occupations and as many of the projects are of a commercial nature become familiarized to some extent with the conditions of an industrial shop. Time does not permit sufficient repetitive work to enable students to acquire the skill and speed of qualified journeymen but having learned the correct methods and procedures, and the use and care of tools, the student has immediate earning capacity upon entering the field of his choice.

During the theory half of each course the students learn the trade theory, mathematics, science, drafting, etc., which play an important part in nearly every occupation and without which a man has great difficulty advancing in his trade. Time and time again this theoretical background has proven the stepping stone by which Institute graduates have risen above the rank-and-file level of their trades to the better-paid positions.

When it comes to equipment the Provincial Institute of Technology and Art doesn't have to take a back seat to any similar establishment in the Dominion. The school has been almost completely re-equipped since the war and students work with the most modern devices available.



Modern equipment, like this wood welder, enables shop students to produce quality work like this radio-phonograph cabinet.



Electrical students test completed projects on intricate equipment similar to this testing panel.



Instructor R. R. Shearer adjusts radiograph during a demonstration. Skilled instruction greatly aids student progress.



Under the guidance of recognized Canadian artists art students receive instruction in the many phases of arts and crafts.



Demonstrations play an important part in art too. Here Luke Lindoe shapes a bowl on a potter's wheel.



The Institute's Art Department provides instruction in most of the fields of art. This class is studying commercial design.

Most of the new equipment was acquired with funds made available by the Dominion-Provincial Vocational Schools Assistance Agreement. Under this agreement the Federal Government appropriated \$10,000,000 per year for the years 1945-48 and a further \$2,000,000 for the years 1945-55 for the re-equipping and development of vocational schools in the Dominion on the understanding that the provincial governments would match this sum on a dollar-for-dollar basis. To date the Institute has obtained almost \$250,000 worth of shop equipment through the plan.

Modern Equipped Shops

Today welding students have the use of a radiograph and a power shear which permit rapid, efficient preparation of materials. Woodworking classes use such up-to-the-minute equipment as wood welding devices and radial power saws. A Kerrick steam cleaner allows farm mechanics students to remove grease and dirt quickly from tractors and other pieces of farm machinery before commencing overhaul operations. In the automotive shop such devices as the Bear wheel aligner permit scientific checking of repairs and provide training in modern commercial shop methods.

While most of the Institute's equipment is commercially manufactured the classes often run into jobs for which tailor-made equipment is necessary. Then staff and students put their heads together and the project is planned, constructed and assembled in the shops. In most cases the finished product proves entirely satisfactory and becomes part of the school's special equipment.

Much of the shopwork, particularly for advanced students is as practical as it could possibly be. Work which normally would require handling by a commercial firm is brought into the shops and completely reconducted by students working under the guidance of expert instructors.

In the agricultural mechanics courses, students take worn equipment from farms in the surrounding district, work on it during the winter months and return it, completely overhauled, in ample time for spring operations. So satisfactory has the work been that many farmers bring their tractors and other farm machinery to the Institute shops year after year. This plan has proved to be beneficial not only to the students who receive the best practical experience, but to the farmers as well. Being charged only for parts which require replacement they save a considerable sum on each overhaul.

Authorized Aviation School

The Institute's Department of Aeronautics has won recognition from the Civil Aviation Division of the Dominion Government. Time spent by students in the shops is credited to the experience qualification required for the "A" and "C" air engineers' certificates. The department is also the only school of aviation in Canada listed by the division as an "authorized enterprise" for the rebuilding, repair and overhaul of commercial aircraft and engines.

In addition to overhauling craft for private pilots and small firms, the students think little of starting from scratch and building gliders. Working part-time the air engineering classes turn out a glider during each school year and at present are working on a craft which will be used for pilot training by a local flying firm.

Cars in every conceivable state of disrepair are torn down and rebuilt by the automotive classes. The finished jobs are tested on complex equipment for such things as wheel alignment, ignition, proper lights, brakes and steering and the Institute does not hesitate to place its guarantee of workmanship on all machines before handing them back to the owners.

Principal of the Provincial Institute of Technology and Art is James Fowler, M.A., B.Sc., M.C.I.C. Capable, easy to talk with and confide in, he takes a personal interest in every student and enjoys the confidence, friendship and respect of all. The only member of the original staff still with the school, Mr. Fowler's enthusiasm and keen interest in the organization has not waned. Why should it? "Our school," he says, "is as fine as any in the Dominion, and better than most."

E. W. Wood, M.E.I.C., M.I.Mar.E., shop director, joined the Institute in 1930 and except for a period of duty in the Royal Canadian Navy during the war has been on the staff since that time.

Theoretical instruction is carried out by teachers who for the most part have specialized in the theory of the subject taught. Shop instruction is handled by top-notch men from the various trades.

Every three years the Institute holds a teacher training course for staff members. These courses give teachers and instructors the opportunity to learn the most recent advances in teaching methods and class management. The orderly, efficient manner in which classes and shops are conducted dispels any doubts as to the value of these courses.

Art Department Well Developed

Under the able direction of Illingworth H. Kerr, A.A.S.A., the Art Department is continually developing and enrolment figures for the current year show that the art classes command the largest attendance in both the day and evening courses. All phases of the various art fields from composition and perspective to life drawing and portrait painting are covered. Applied arts, pottery, ceramics, industrial design and commercial art also are included in the curriculum. Courses in the Art Department range in duration from two to four years. The department devotes Saturday mornings to instructing Calgary children in arts and crafts.

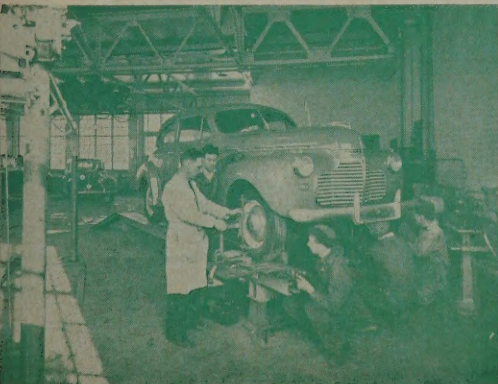
In order that the greatest number of persons may derive benefit from the Institute, courses are arranged in three categories; day, evening and correspondence. At present more than 600 students attend the full day classes. Such courses as welding, refrigeration, commercial wireless, industrial dressmaking and commercial cookery are but a few of the 21 listed for study by the day classes.

Tradesmen and others in the Calgary district have found the evening classes a great boon. Offering two hours instruction twice a week for 18 weeks the courses have been well-received and attended since inception. Close to 500 persons are receiving instruction in the 18 courses offered.

Coal miners and steam engineers have for many years used correspondence courses offered by the Institute when preparing for government examinations. These courses in mining and steam are also used as texts by the technical branches of the Manitoba and Nova Scotia Departments of Education.

A Department of Education breakdown of the Institute's income and expense accounts reveals that while students in the regular day courses pay a \$35 tuition fee the Department spends more than 10 times that amount on each student in any one year.

To look at the school register is to look at Canada, for while the great majority of students are Albertans a large number of persons from all parts of the Dominion come to study at the Institute. Probably the reason for this is the enviable reputation the school has established over the years as a high-standard technological establishment. Or it may be, as Mr. Fowler claims, because the courses are all "D.U."—that is "directly useful." * * *



Working on practical projects, automotive students learn approved methods. Here an instructor demonstrates wheel alignment.



Overhauling commercial craft or building from plans is a regular part of the aeronautics course.



Taking over in the fall, farm mechanics students overhaul worn machinery and have it ready to go back on the land by spring.

This page of Christmas Carols was specially prepared by "Within Our Borders" for use at Yuletide parties and get-togethers to be held in the hundreds of school classrooms throughout the Province where "Within Our Borders" is a regular monthly visitor. Along with this page of carols goes the sincere wish that all readers of "Within Our Borders" will have A VERY MERRY CHRISTMAS.

GOOD KING WENCESLAS

Good King Wenceslas look'd out,
On the Feast of Stephen,
When the snow lay round about,
Deep and crisp and even:
Brightly shone the moon that night,
Though the frost was cruel,
When the poor man came in sight,
Gath'ring winter fuel.

"Hither, page, and stand by me,
If thou know'st it, telling,
Yonder peasant, who is he?
Where and what his dwelling?"
"Sire, he lives a good league hence,
Underneath the mountain;
Right against the forest fence,
By Saint Agnes' fountain."

"Bring me flesh, and bring me wine,
Bring me pine logs hither,
Thou and I will see him dine,
When we bear them thither."
Page and monarch forth they went,
Forth they went together;
Through the rude winds' wild lament,
And the bitter weather.

"Sire the night is darker now,
And the wind blows stronger,
Fails my heart, I know not how,
I can go no longer."
"Mark my footsteps, my good page,
Tread thou in them boldly:
Thou shalt find the winter's rage
Freeze thy blood less coldly."

In his master's steps he trod,
Where the snow lay dinted;
Heat was in the very sod
Which the saint had printed.
Therefore, Christian men, be sure,
Wealth or rank possessing,
Ye who now will bless the poor,
Shall yourselves find blessing.

SILENT NIGHT, HOLY NIGHT

Silent night, holy night!
All is calm, all is bright,
'Round yon Virgin Mother and Child,
Holy infant so tender and mild,
Sleep in heavenly peace,
Sleep in heavenly peace.

Silent night, holy night!
Son of God, Love's pure light,
Radiant beams from Thy holy face,
With the dawn of redeeming grace,
Jesus, Lord, at Thy birth,
Jesus, Lord, at Thy birth.

Silent night, holy night!
Shepherds quake at the sight,
Glories stream from heaven afar
Heav'nly hosts sing Alleluia;
Christ, the Saviour, is born,
Christ, the Saviour, is born.

DECK THE HALL

Deck the hall with boughs of holly,
Fa, la, la, la la, la, la, la,
'Tis the season to be jolly,
Fa, la, la, la la, la, la, la,
Don we now our gay apparel,
Fa, la, la, la la, la, la, la,
Troll the ancient Yuletide carol,
Fa, la, la, la la, la, la, la.

See the blazing Yule before us,
Fa, la, la, la la, la, la, la,
Strike the harp and join the chorus,
Fa, la, la, la la, la, la, la,
Follow me in merry measure,
Fa, la, la, la la, la, la, la,
While I tell of Yuletide treasure,
Fa, la, la, la la, la, la, la.

Fast away the old year passes,
Fa, la, la, la la, la, la, la,
Hail the new, ye lads and lasses,
Fa, la, la, la la, la, la, la,
Sing we joyous all together,
Fa, la, la, la la, la, la, la,
Heedless of the wind and weather,
Fa, la, la, la la, la, la, la.

O LITTLE TOWN OF BETHLEHEM

O little town of Bethlehem,
How still we see thee lie,
Above thy deep and dreamless sleep
The silent stars go by.
Yet in thy dark streets shineth
The ever lasting light,
The hopes and fears of all the years,
Are met in thee tonight.

For Christ is born of Mary
And gathered all above,
While mortals sleep, the angels keep
Their watch of wond'ring love.
O morning stars, together
Proclaim the holy birth,
And praises sing to God the King,
And peace to men on earth.

How silently, how silently
The wond'rous gift is given:
So God imparts to human hearts
The blessings of His Heaven.
No ear may hear His coming,
But in this world of sin,
Where meek souls will receive Him still,
The dear Christ enters in.

O holy Child of Bethlehem,
Descend to us we pray,
Cast out our sin, and enter in,
Be born in us today.
We hear the Christmas angels
The great glad tidings tell;
O come to us, abide with us,
Our Lord Emmanuel.

O COME ALL YE FAITHFUL

O come, all ye faithful, joyful and triumphant,
O come ye, O come ye to Bethlehem:
Come and behold Him, born the King of angels:
O come, let us adore Him, O come, let us adore
Him,
O come, let us adore Him, Christ, the Lord.

Sing, choir of angels, sing in exultation,
Sing, all ye citizens of Heav'n above:
Glory to God, in the highest:
O come, let us adore Him, O come, let us adore
Him,
O come, let us adore Him, Christ, the Lord.

Yea, Lord, we greet Thee, born this happy
morning;
Jesus, to Thee be glory giv'n;
Word of the Father, now in flesh appearing:
O come, let us adore Him, O come, let us adore
Him,
O come, let us adore Him, Christ, the Lord.

IT CAME UPON THE MIDNIGHT CLEAR

It came upon the midnight clear,
That glorious song of old,
From angels bending near the earth,
To touch their harps of gold:
"Peace on the earth, good will to men,
From heav'n's all gracious King;"
The world in solemn stillness lay
To hear the angels sing.

Still through the cloven skies they come,
With peaceful wings unfur'd;
And still their heav'nly music floats
O'er all the weary world:
Above its sad and lowly plains
They bend on hov'ring wing,
And ever o'er its Babel sounds
The blessed angels sing.

O ye, beneath life's crushing load,
Whose forms are bending low,
Who toil along the climbing way
With painful steps and slow!
Look now, for glad and golden hours
Come swiftly on the wing:
O rest beside the weary road,
And hear the angels sing.

For lo! the days are hastening on,
By prophets seen of old,
When with the ever-circling years,
Shall come the time foretold,
When the new heaven and earth shall own
The Prince of Peace their King,
And the whole world send back the song
Which now the angels sing.

THE FIRST NOWELL

The first Nowell the angel did say
Was to certain poor shepherds in fields as they
lay;
In fields where they lay, keeping their sheep
On a cold winter's night that was so deep.

Nowell, Nowell, Nowell, Nowell,
Born is the King of Israel.

They looked up and saw a star,
Shining in the East, beyond them far,
And to the earth it gave great light,
And so it continued both day and night.

Nowell, etc.

And by the light of the same Star,
Three Wisemen came from country far;
To seek for a King was their intent,
And to follow the Star wherever it went.

Nowell, etc.

This Star drew nigh to the northwest,
O'er Bethlehem it took its rest,
And there it did both stop and stay,
Right over the place where Jesus lay.

Nowell, etc.

Then entered in those Wisemen three,
Full reverently upon their knee,
And offered there, in His Presence,
Their gold, and myrrh, and frankincense,

Nowell, etc.

Then let us all with one accord,
Sing praises to our Heavenly Lord,
That hath made Heaven and earth of nought,
And with His Blood mankind hath bought.

Nowell, etc.

WE THREE KINGS OF ORIENT ARE

We three kings of Orient are;
Bearing gifts we traverse afar,
Field and fountain, moor and mountain,
Following yonder Star,

Chorus:

O Star of wonder, Star of night,
Star with royal beauty bright,
Westward leading, still proceeding,
Guide us to Thy perfect light.

Melchior:

Born a King on Bethlehem's plain,
Gold I bring, to crown Him again,
King forever, ceasing never,
Over us all to reign.

Chorus.

Caspar:

Frankincense to offer have I,
Incense owns a Deity nigh,
Pray'r and praising, all men raising
Worship Him, God most high.

Chorus.

Balthazar:

Myrrh is mine, its bitter perfume,
Breathes a life of gathering gloom,
Sorrowing, sighing, bleeding, dying,
Seal'd in the stone-cold tomb.

Chorus.

All:

Glorious now behold Him arise,
King and God and Sacrifice,
Alleluia, alleluia,
Earth to the heav'ns replies.

Chorus.

AWAY IN A MANAGER

Away in a manger, no crib for a bed,
The little Lord Jesus laid down His sweet head,
The stars in the bright sky looked down where
He lay,
The little Lord Jesus, asleep on the hay.

The cattle are lowing, the Baby awakes,
But little Lord Jesus no crying He makes;
I love Thee, Lord Jesus! look down from the sky
And stay by my cradle till morning is nigh.

Be near me, Lord Jesus, I ask Thee to stay
Close by me for ever, and love me, I pray;
Bless all the dear children in Thy tender care
And take us to heaven, to live with Thee, there

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